

Figure 7

a.

leutokine-

alpha M DD STEREQSRLTSCLKKREEMKLKECVSILPRKESPSVRS 41
 SKD G K L L A A T L L L A L L S C C L T V V S F Y Q V A A L Q G D L A S L R A E 82
 L Q G H H A E K L P A G A G A P K A G L E E A P A V T A G L K I F E P P A P G E G 123

Transmembrane Region

DELETE PORTION OF
 LINE IN BRACKETS

NSSQNSRNKRAVQGPEETVT QDCI Q [] SE PTIQKGSY 164
 April HS V [] V P I N A SK-DDSDV 134
 TNF R E V A H V V A N P Q A E G Q - - - - - 102
 LT α R P A A H [] G [] S K Q N S - - - - - 77

CHANGE
 "77" to
 --76--

A' B' B C
 F P W L S - - - - - F K R G S A E E K E N K I [] K E T Y F [] [] [] 200
 E M M Q P A - - - - - R R G R G Q A Q G Y G V R I Q D A V L L [] [] [] 170
 - L Q W N R R A N A L A N G V E R D - - - - - Q Q V [] S E G L L [] [] [] 139
 - L L W R A N T D R F Q D F S S N - - - - - S [] [] [] [] [] [] [] [] 114

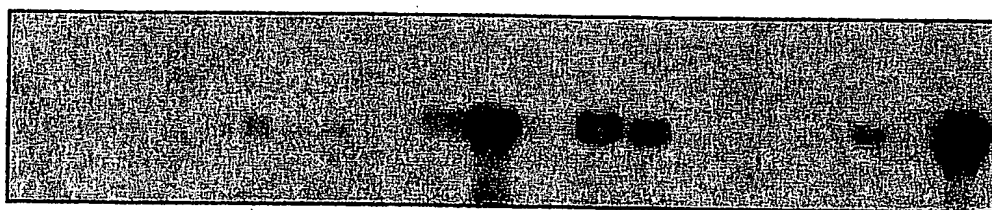
"G" at
 Position 197
 SHOULD BE
 BLACK TEXT
 ON WHITE
 BACKGROUND

D E
 Y T D K [] [] [] [] [] A M E G H B I Q R K K V H V E G D E L S L V [] [] [] [] [] [] [] [] 237
 Q D V I F - - - - - M G Q V V S R E - - - - - G G R Q E [] [] [] [] [] [] [] [] 201
 K G Q G C P - - - - - S T V L T T T I S R I A V S Q T K V N L L S A I S E 176
 S G A A S P K A S S P Y T A H E V Q L I S S S P F H V P L L S S [] [] [] [] [] [] [] [] 155

F G
 E - - T L [] [] [] [] [] [] N S C O S A G I A K E E E E Q L A [] [] [] [] [] [] [] [] 268
 S H P D R A - - - - - V N S G Y S A G V H H H Q C I [] [] [] [] [] [] [] [] 234
 C Q R E T E G A E A K E W E P I M L G G V F O I K C R [] [] [] [] [] [] [] [] 217
 Y P - - - - - G L Q E [] [] [] [] [] [] H G A A P Q L T Q C S Q [] [] [] [] [] [] [] [] 190

H
 Q I S E D G D V [] [] [] [] [] [] L 285
 K L N S S H G [] [] [] [] [] [] L G F V [] [] [] [] [] [] [] [] 250
 D F A E S G Q V Y [] [] [] [] [] [] I I A [] [] [] [] [] [] [] [] 233
 V L S - S T V [] [] [] [] [] [] F A L [] [] [] [] [] [] [] [] 205

b.



4.4 kb
 2.4 kb

HL-60
 HeLa
 K-562
 MOLT-4
 Raji
 SW480
 Spleen
 Lymph Node
 Thymus
 PBL
 Bone Marrow
 Fetal liver
 Heart
 Brain
 Placenta
 Lung
 Liver
 S. Muscle
 Kidney
 Pancreas

Neutrokin-

Alpha MDDSTEREQSRLTSCCLKREEMKLEKCVSILPRKESPSVRS 41

DELETE PORTION OF

Transmembrane Region

[]

LINE IN BRACKETS

SKDGKLLAATLLALLSCCLTVVSFYQVAALQGDLASLRAE 82

LQGHHA EKLPAGAGAPKAGLEEAPAVTAGLKIFEPAPGEG 123

↓

A

NSSQNSRNKRAVQQPEETVTQDCLQLTADSEPTIQKGSY 164

April

TNF

LT α

HSVLHLVPINATSKDDSDV 134

KPVAAHVVAANPQAEGQ 102

KPAAHLTGDPKQNS 77

→ CHANGE "77"

to --76--

A'

B'

B

C

EVPRMLLS...FKRGSALEEKENKILMKE TGVYFFIYGGQVL 200

EVMMQPPA...LRGRGLQAQGYGVRIQDAGVYLLYSQVL 170

-LQWENRRANALLANGVELRD--NQLVVPSEGLYLLYSQVL 139

-LLWRANTDRAFLLQDGFSESN--NSLLVPTSGIYFVYSQVL 114

YTDKTY...AMGHLIQRKKVHVFGDELSLVTLFRCIQNMP 237

FQGVTF...TMGQVVVSRE...GGGRQETLFRCI RSNMP 201

FKGQGCPC...STHVLTLTISRIVSYQTKVNLLSAISKSP 176

FSGKA YSPKATSSP LYLAEVQLFSSQYPPFHVPLLSQKMPV 155

"G" AT POSITION

177 Should BE

BLACK TEXT ON

White background

FIG.7A-1